

SEQUENCE LISTING

<110> INCYTE GENOMICS, INC.
 AU-YOUNG, Janice
 BANDMAN, Olga
 TANG, Y. Tom
 YUE, Henry
 AZIMZAI, Yalda
 BURFORD, Neil
 BAUGHN, Mariah R.
 LU, Dyung Aina M.
 HILLMAN, Jennifer L.
 PATTERSON, Chandra
 LAL, Preeti

<120> RECEPTORS AND ASSOCIATED PROTEINS

<130> PF-0726 PCT

<140> To Be Assigned

<141> Herewith

<150> 60/145,232; 60/158,578; 60/165,192

<151> 1999-07-21; 1999-10-07; 1999-11-12

<160> 44

<170> PERL Program

<210> 1

<211> 411

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 209171CD1

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Met	Ala	Gln	Arg	Gln	Leu	Leu	Asn	Lys	Lys	Gly	Phe	Gly	Glu	Pro
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Val	Leu	Pro	Arg	Pro	Pro	Ser	Leu	Ile	Gln	Asn	Glu	Cys	Gly	Gln
				20					25					30
Gly	Glu	Gln	Ala	Ser	Glu	Lys	Asn	Glu	Cys	Ile	Ser	Glu	Asp	Met
				35					40					45
Gly	Asp	Glu	Asp	Lys	Glu	Glu	Arg	Gln	Glu	Ser	Arg	Ala	Ser	Asp
				50					55					60
Trp	His	Ser	Lys	Thr	Lys	Asp	Phe	Gln	Glu	Ser	Ser	Ile	Lys	Ser
				65					70					75
Leu	Lys	Glu	Lys	Leu	Leu	Leu	Glu	Glu	Glu	Pro	Thr	Thr	Ser	His
				80					85					90
Gly	Gln	Ser	Ser	Gln	Gly	Ile	Val	Glu	Glu	Thr	Ser	Glu	Glu	Gly
				95					100					105
Asn	Ser	Val	Pro	Ala	Ser	Gln	Ser	Val	Ala	Ala	Leu	Thr	Ser	Lys
				110					115					120
Arg	Ser	Leu	Val	Leu	Met	Pro	Glu	Ser	Ser	Ala	Glu	Glu	Ile	Thr
				125					130					135
Val	Cys	Pro	Glu	Thr	Gln	Leu	Ser	Ser	Ser	Glu	Thr	Phe	Asp	Leu
				140					145					150
Glu	Arg	Glu	Val	Ser	Pro	Gly	Ser	Arg	Asp	Ile	Leu	Asp	Gly	Val
				155					160					165
Arg	Ile	Ile	Met	Ala	Asp	Lys	Glu	Val	Gly	Asn	Lys	Glu	Asp	Ala
				170					175					180

Glu Lys Glu Val Ala Ile Ser Thr Phe Ser Ser Ser Asn Gln Val
 185 190 195
 Ser Cys Pro Leu Cys Asp Gln Cys Phe Pro Pro Thr Lys Ile Glu
 200 205 210
 Arg His Ala Met Tyr Cys Asn Gly Leu Met Glu Glu Asp Thr Val
 215 220 225
 Leu Thr Arg Arg Gln Lys Glu Ala Lys Thr Lys Ser Asp Ser Gly
 230 235 240
 Thr Ala Ala Gln Thr Ser Leu Asp Ile Asp Lys Asn Glu Lys Cys
 245 250 255
 Tyr Leu Cys Lys Ser Leu Val Pro Phe Arg Glu Tyr Gln Cys His
 260 265 270
 Val Asp Ser Cys Leu Gln Leu Ala Lys Ala Asp Gln Gly Asp Gly
 275 280 285
 Pro Glu Gly Ser Gly Arg Ala Cys Ser Thr Val Glu Gly Lys Trp
 290 295 300
 Gln Gln Arg Leu Lys Asn Pro Lys Glu Lys Gly His Ser Glu Gly
 305 310 315
 Arg Leu Leu Ser Phe Leu Glu Gln Ser Glu His Lys Thr Ser Asp
 320 325 330
 Ala Asp Ile Lys Ser Ser Glu Thr Gly Ala Phe Arg Val Pro Ser
 335 340 345
 Pro Gly Met Glu Glu Ala Gly Cys Ser Arg Glu Met Gln Ser Ser
 350 355 360
 Phe Thr Arg Arg Asp Leu Asn Glu Ser Pro Val Lys Ser Phe Val
 365 370 375
 Ser Ile Ser Glu Ala Thr Asp Cys Leu Val Asp Phe Lys Lys Gln
 380 385 390
 Val Thr Val Gln Pro Gly Ser Arg Thr Arg Thr Lys Ala Gly Arg
 395 400 405
 Gly Arg Arg Arg Lys Phe
 410

<210> 2

<211> 579

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 945430CD1

<400> 2

Met Phe Phe Arg Val Phe Leu His Phe Ile Arg Ser His Ser Ala
 1 5 10 15
 Thr Ala Val Asp Phe Leu Pro Val Met Val His Arg Leu Pro Val
 20 25 30
 Phe Lys Arg Tyr Met Gly Asn Thr Pro Gln Lys Lys Ala Val Phe
 35 40 45
 Gly Gln Cys Arg Gly Leu Pro Cys Val Ala Pro Leu Leu Thr Thr
 50 55 60
 Val Glu Glu Ala Pro Arg Gly Ile Ser Ala Arg Val Trp Gly His
 65 70 75
 Phe Pro Lys Trp Leu Asn Gly Ser Leu Leu Arg Ile Gly Pro Gly
 80 85 90
 Lys Phe Glu Phe Gly Lys Asp Lys Tyr Asn His Trp Phe Asp Gly
 95 100 105
 Met Ala Leu Leu His Gln Phe Arg Met Ala Lys Gly Thr Val Thr
 110 115 120
 Tyr Arg Ser Lys Phe Leu Gln Ser Asp Thr Tyr Lys Ala Asn Ser
 125 130 135
 Ala Lys Asn Arg Ile Val Ile Ser Glu Phe Gly Thr Leu Ala Leu
 140 145 150
 Pro Asp Pro Cys Lys Asn Val Phe Glu Arg Phe Met Ser Arg Phe
 155 160 165

Glu	Leu	Pro	Gly	Lys	Ala	Ala	Ala	Met	Thr	Asp	Asn	Thr	Asn	Val
				170					175					180
Asn	Tyr	Val	Arg	Tyr	Lys	Gly	Asp	Tyr	Tyr	Leu	Cys	Thr	Glu	Thr
				185					190					195
Asn	Phe	Met	Asn	Lys	Val	Asp	Ile	Glu	Thr	Leu	Glu	Lys	Thr	Glu
				200					205					210
Lys	Val	Asp	Trp	Ser	Lys	Phe	Ile	Ala	Val	Asn	Gly	Ala	Thr	Ala
				215					220					225
His	Pro	His	Tyr	Asp	Pro	Asp	Gly	Thr	Ala	Tyr	Asn	Met	Gly	Asn
				230					235					240
Ser	Phe	Gly	Pro	Tyr	Gly	Phe	Ser	Tyr	Lys	Val	Ile	Arg	Val	Pro
				245					250					255
Pro	Glu	Lys	Val	Asp	Leu	Gly	Glu	Thr	Ile	His	Gly	Val	Gln	Val
				260					265					270
Ile	Cys	Ser	Ile	Ala	Ser	Thr	Glu	Lys	Gly	Lys	Pro	Ser	Tyr	Tyr
				275					280					285
His	Ser	Phe	Gly	Met	Thr	Arg	Asn	Tyr	Ile	Ile	Phe	Ile	Glu	Gln
				290					295					300
Pro	Leu	Lys	Met	Asn	Leu	Trp	Lys	Ile	Ala	Thr	Ser	Lys	Ile	Arg
				305					310					315
Gly	Lys	Ala	Phe	Ser	Asp	Gly	Ile	Ser	Trp	Glu	Pro	Gln	Cys	Asn
				320					325					330
Thr	Arg	Phe	His	Val	Val	Glu	Lys	Arg	Thr	Gly	Gln	Leu	Leu	Pro
				335					340					345
Gly	Arg	Tyr	Tyr	Ser	Lys	Pro	Phe	Val	Thr	Phe	His	Gln	Ile	Asn
				350					355					360
Ala	Phe	Glu	Asp	Gln	Gly	Cys	Val	Ile	Ile	Asp	Leu	Cys	Ser	Gln
				365					370					375
Asp	Asn	Gly	Arg	Thr	Leu	Glu	Val	Tyr	Gln	Leu	Gln	Asn	Leu	Arg
				380					385					390
Lys	Ala	Gly	Glu	Gly	Leu	Asp	Gln	Val	His	Asn	Ser	Ala	Ala	Lys
				395					400					405
Ser	Phe	Pro	Arg	Arg	Phe	Val	Leu	Pro	Leu	Asn	Val	Ser	Leu	Asn
				410					415					420
Ala	Pro	Glu	Gly	Asp	Asn	Leu	Ser	Pro	Leu	Ser	Tyr	Thr	Ser	Ala
				425					430					435
Ser	Ala	Val	Lys	Gln	Ala	Asp	Gly	Thr	Ile	Trp	Cys	Ser	His	Glu
				440					445					450
Asn	Leu	His	Gln	Glu	Asp	Leu	Glu	Lys	Glu	Gly	Gly	Ile	Glu	Phe
				455					460					465
Pro	Gln	Ile	Tyr	Tyr	Asp	Arg	Phe	Ser	Gly	Lys	Lys	Tyr	His	Phe
				470					475					480
Phe	Tyr	Gly	Cys	Gly	Phe	Arg	His	Leu	Val	Gly	Asp	Ser	Leu	Ile
				485					490					495
Lys	Val	Asp	Val	Val	Asn	Lys	Thr	Leu	Lys	Val	Trp	Arg	Glu	Asp
				500					505					510
Gly	Phe	Tyr	Pro	Ser	Glu	Pro	Val	Phe	Val	Pro	Ala	Pro	Gly	Thr
				515					520					525
Asn	Glu	Glu	Asp	Gly	Gly	Val	Ile	Leu	Ser	Val	Val	Ile	Thr	Pro
				530					535					540
Asn	Gln	Asn	Glu	Ser	Asn	Phe	Leu	Leu	Val	Leu	Asp	Ala	Lys	Asn
				545					550					555
Phe	Glu	Glu	Leu	Gly	Arg	Ala	Glu	Val	Pro	Val	Gln	Met	Pro	Tyr
				560					565					570
Gly	Phe	His	Gly	Thr	Phe	Ile	Pro	Ile						
				575										

<210> 3

<211> 370

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1305513CD1

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Gly	His	Thr	Val	Leu	Thr	Trp	Gly	Ile	Thr	Leu	Val	Leu	Phe	Leu

His Asp Thr Glu	20	Arg Gln Trp Glu	25	Gln Gly Glu Leu	30
Leu Pro Leu Thr Phe	35	Leu Leu Leu Val	40	Leu Gly Ser Leu Leu	45
Tyr Leu Ala Val Ser	50	Leu Met Asp Pro	55	Gly Tyr Val Asn Val	60
Pro Gln Pro Gln Glu	65	Glu Leu Lys Glu	70	Gln Thr Ala Met Val	75
Pro Pro Ala Ile Pro	80	Leu Arg Arg Cys	85	Arg Tyr Cys Leu Val	90
Gln Pro Leu Arg Ala	95	Arg His Cys Arg	100	Cys Arg Arg Cys Val	105
Arg Arg Tyr Asp His	110	His Cys Pro Trp	115	Glu Asn Cys Val Gly	120
Glu Arg Asn His Pro	125	Leu Phe Val Val	130	Tyr Leu Ala Leu Gln	135
Val Val Leu Leu Trp	140	Gly Leu Tyr Leu	145	Ala Trp Ser Gly Leu	150
Phe Phe Gln Pro Trp	155	Gly Leu Trp Leu	160	Arg Ser Ser Gly Leu	165
Phe Ala Thr Phe Leu	170	Leu Leu Ser Leu	175	Phe Ser Leu Val Ala	180
Leu Leu Leu Val Ser	185	His Leu Tyr Leu	190	Val Ala Ser Asn Thr	195
Thr Trp Glu Phe Ile	200	Ser Ser His Arg	205	Ile Ala Tyr Leu Arg	210
Arg Pro Ser Asn Pro	215	Phe Asp Arg Gly	220	Leu Thr Arg Asn Leu	225
His Phe Phe Cys Gly	230	Trp Pro Ser Gly	235	Ser Trp Glu Thr Leu	240
Ala Glu Glu Glu Glu	245	Glu Gly Ser Ser	250	Pro Ala Val	255
	260		265		

<210> 5

<211> 951

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2470285CD1

<400> 5

Met Pro Gly Pro Leu	5	Gly Leu Leu Cys Phe	10	Leu Ala Leu Gly Leu	15
Leu Gly Ser Ala Gly	20	Pro Ser Gly Ala Ala	25	Pro Pro Leu Cys Ala	30
Ala Pro Cys Ser Cys	35	Asp Gly Asp Arg Arg	40	Val Asp Cys Ser Gly	45
Lys Gly Leu Thr Ala	50	Val Pro Glu Gly Leu	55	Ser Ala Phe Thr Gln	60
Ala Leu Asp Ile Ser	65	Met Asn Asn Ile Thr	70	Gln Leu Pro Glu Asp	75
Ala Phe Lys Asn Phe	80	Pro Phe Leu Glu Glu	85	Leu Gln Leu Ala Gly	90
Asn Asp Leu Ser Phe	95	Ile His Pro Lys Ala	100	Leu Ser Gly Leu Lys	105
Glu Leu Lys Val Leu	110	Thr Leu Gln Asn Asn	115	Gln Leu Lys Thr Val	120
Pro Ser Glu Ala Ile	125	Arg Gly Leu Ser Ala	130	Leu Gln Ser Leu Arg	135
Leu Asp Ala Asn His	140	Ile Thr Ser Val Pro	145	Glu Asp Ser Phe Glu	150
Gly Leu Val Gln Leu		Arg His Leu Trp Leu		Asp Asp Asn Ser Leu	

Thr	Glu	Val	Pro	155	Val	His	Pro	Leu	Ser	160	Asn	Leu	Pro	Thr	Leu	Gln	165
				170						175							180
Ala	Leu	Thr	Leu	185	Ala	Leu	Asn	Lys	Ile	190	Ser	Ser	Ile	Pro	Asp	Phe	195
				200						205							210
Ala	Phe	Thr	Asn	215	Leu	Ser	Ser	Leu	Val	220	Val	Leu	His	Leu	His	Asn	225
				230						235							240
Asn	Lys	Ile	Arg	245	Ser	Leu	Ser	Gln	His	250	Cys	Phe	Asp	Gly	Leu	Asp	255
				260						265							270
Asn	Leu	Glu	Thr	275	Leu	Asp	Leu	Asn	Tyr	280	Asn	Asn	Leu	Gly	Glu	Phe	285
				290						295							300
Pro	Gln	Ala	Ile	305	Lys	Ala	Leu	Pro	Ser	310	Leu	Lys	Glu	Leu	Gly	Phe	315
				320						325							330
His	Ser	Asn	Ser	335	Ile	Ser	Val	Ile	Pro	340	Asp	Gly	Ala	Phe	Asp	Gly	345
				350						355							360
Asn	Pro	Leu	Leu	365	Arg	Thr	Ile	His	Leu	370	Tyr	Asp	Asn	Pro	Leu	Ser	375
				380						385							390
Phe	Val	Gly	Asn	395	Ser	Ala	Phe	His	Asn	400	Leu	Ser	Asp	Leu	His	Ser	405
				410						415							420
Leu	Val	Ile	Arg	425	Gly	Ala	Ser	Met	Val	430	Gln	Gln	Phe	Pro	Asn	Leu	435
				440						445							450
Thr	Gly	Thr	Val	455	His	Leu	Glu	Ser	Leu	460	Thr	Leu	Thr	Gly	Thr	Lys	465
				470						475							480
Ile	Ser	Ser	Ile	485	Pro	Asn	Asn	Leu	Cys	490	Gln	Glu	Gln	Lys	Met	Leu	495
				500						505							510
Arg	Thr	Leu	Asp	515	Leu	Ser	Tyr	Asn	Asn	520	Ile	Arg	Asp	Leu	Pro	Ser	525
				530						535							540
Phe	Asn	Gly	Cys	545	His	Ala	Leu	Glu	Glu	550	Ile	Ser	Leu	Gln	Arg	Asn	555
				560						565							570
Gln	Ile	Tyr	Gln	575	Ile	Lys	Glu	Gly	Thr	580	Phe	Gln	Gly	Leu	Ile	Ser	585
				590						595							600
Leu	Arg	Ile	Leu	605	Asp	Leu	Ser	Arg	Asn	610	Leu	Ile	His	Glu	Ile	His	615
				620						625							630
Ser	Arg	Ala	Phe	630	Ala	Thr	Leu	Gly	Pro	635	Ile	Thr	Asn	Leu	Asp	Val	640
				640						645							650
Ser	Phe	Asn	Glu	655	Leu	Thr	Ser	Phe	Pro	660	Thr	Glu	Gly	Leu	Asn	Gly	665
				670						675							680
Leu	Asn	Gln	Leu	685	Lys	Leu	Val	Gly	Asn	690	Phe	Lys	Leu	Lys	Glu	Ala	695
				700						705							710
Leu	Ala	Ala	Lys	715	Asp	Phe	Val	Asn	Leu	720	Arg	Ser	Leu	Ser	Val	Pro	725
				730						735							740
Tyr	Ala	Tyr	Gln	745	Cys	Cys	Ala	Phe	Trp	750	Gly	Cys	Asp	Ser	Tyr	Ala	755
				760						765							770
Asn	Leu	Asn	Thr	775	Glu	Asp	Asn	Ser	Leu	780	Gln	Asp	His	Ser	Val	Ala	785
				790						795							800
Gln	Glu	Lys	Gly	805	Thr	Ala	Asp	Ala	Ala	810	Asn	Val	Thr	Ser	Thr	Leu	815
				820						825							830
Glu	Asn	Glu	Glu	835	His	Ser	Gln	Ile	Ile	840	Ile	His	Cys	Thr	Pro	Ser	845
				850						855							860
Thr	Gly	Ala	Phe	865	Lys	Pro	Cys	Glu	Tyr	870	Leu	Leu	Gly	Ser	Trp	Met	875
				880						885							890
Ile	Arg	Leu	Thr	895	Val	Trp	Phe	Ile	Phe	900	Leu	Val	Ala	Leu	Phe	Phe	905
				910						915							920
Asn	Leu	Leu	Val	925	Ile	Leu	Thr	Thr	Phe	930	Ala	Ser	Cys	Thr	Ser	Leu	935
				940						945							950
Pro	Ser	Ser	Lys	955	Leu	Phe	Ile	Gly	Leu	960	Ile	Ser	Val	Ser	Asn	Leu	965
				970						975							980
Phe	Met	Gly	Ile	985	Tyr	Thr	Gly	Ile	Leu	990	Thr	Phe	Leu	Asp	Ala	Val	995
				1000						1005							1010
Ser	Trp	Gly	Arg	1015	Phe	Ala	Glu	Phe	Gly	1020	Ile	Trp	Trp	Glu	Thr	Gly	1025
				1030						1035							1040
Ser	Gly	Cys	Lys	1045	Val	Ala	Gly	Phe	Leu	1050	Ala	Val	Phe	Ser	Ser	Glu	1055
				1060						1065							1070
Ser	Ala	Ile	Phe	1075	Leu	Leu	Met	Leu	Ala	1080	Thr	Val	Glu	Arg	Ser	Leu	1085

635
 Ser Ala Lys Asp Ile Met Lys Asn Gly Lys Ser Asn His Leu Lys
 650
 Gln Phe Arg Val Ala Ala Leu Leu Ala Phe Leu Gly Ala Thr Val
 665
 Ala Gly Cys Phe Pro Leu Phe His Arg Gly Glu Tyr Ser Ala Ser
 680
 Pro Leu Cys Leu Pro Phe Pro Thr Gly Glu Thr Pro Ser Leu Gly
 695
 Phe Thr Val Thr Leu Val Leu Leu Asn Ser Leu Ala Phe Leu Leu
 710
 Met Ala Val Ile Tyr Thr Lys Leu Tyr Cys Asn Leu Glu Lys Glu
 725
 Asp Leu Ser Glu Asn Ser Gln Ser Ser Met Ile Lys His Val Ala
 740
 Trp Leu Ile Phe Thr Asn Cys Ile Phe Phe Cys Pro Val Ala Phe
 755
 Phe Ser Phe Ala Pro Leu Ile Thr Ala Ile Ser Ile Ser Pro Glu
 770
 Ile Met Lys Ser Val Thr Leu Ile Phe Phe Pro Leu Pro Ala Cys
 785
 Leu Asn Pro Val Leu Tyr Val Phe Phe Asn Pro Lys Phe Lys Glu
 800
 Asp Trp Lys Leu Leu Lys Arg Arg Val Thr Lys Lys Ser Gly Ser
 815
 Val Ser Val Ser Ile Ser Ser Gln Gly Gly Cys Leu Glu Gln Asp
 830
 Phe Tyr Tyr Asp Cys Gly Met Tyr Ser His Leu Gln Gly Asn Leu
 845
 Thr Val Cys Asp Cys Cys Glu Ser Phe Leu Leu Thr Lys Pro Val
 860
 Ser Cys Lys His Leu Ile Lys Ser His Ser Cys Pro Ala Leu Ala
 875
 Val Ala Ser Cys Gln Arg Pro Glu Gly Tyr Trp Ser Asp Cys Gly
 890
 Thr Gln Ser Ala His Ser Asp Tyr Ala Asp Glu Glu Asp Ser Phe
 905
 Val Ser Asp Ser Ser Asp Gln Val Gln Ala Cys Gly Arg Ala Cys
 920
 Phe Tyr Gln Ser Arg Gly Phe Pro Leu Val Arg Tyr Ala Tyr Asn
 935
 Leu Pro Arg Val Lys Asp
 950

<210> 6

<211> 413

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2925789CD1

<400> 6

Met Gly Thr Phe Cys Ser Val Ile Lys Phe Glu Asn Leu Gln Glu
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 Leu Lys Arg Leu Cys His Trp Gly Pro Ile Ile Ala Leu Gly Val
 20 25 30
 Ile Ala Ile Cys Ser Thr Met Ala Met Ile Asp Ser Val Leu Trp
 35 40 45
 Tyr Trp Pro Leu His Thr Thr Gly Gly Ser Val Asn Phe Ile Met
 50 55 60
 Leu Ile Asn Trp Thr Val Met Ile Leu Tyr Asn Tyr Phe Asn Ala
 65 70 75
 Met Phe Val Gly Pro Gly Phe Val Pro Leu Gly Trp Lys Pro Glu

	80		85		90
Ile Ser Gln Asp Thr	Met Tyr Leu Gln	Tyr Cys Lys Val Cys	Gln		
	95		100		105
Ala Tyr Lys Ala Pro	Arg Ser His His	Cys Arg Lys Cys Asn	Arg		
	110		115		120
Cys Val Met Lys Met	Asp His His Cys	Pro Trp Ile Asn Asn	Cys		
	125		130		135
Cys Gly Tyr Gln Asn	His Ala Ser Phe	Thr Leu Phe Leu Leu	Leu		
	140		145		150
Ala Pro Leu Gly Cys	Ile His Ala Ala	Phe Ile Phe Val Met	Thr		
	155		160		165
Met Tyr Thr Gln Leu	Tyr His Arg Leu	Ser Phe Gly Trp Asn	Thr		
	170		175		180
Val Lys Ile Asp Met	Ser Ala Ala Arg	Arg Asp Pro Leu Pro	Ile		
	185		190		195
Val Pro Phe Gly Leu	Ala Ala Phe Ala	Thr Thr Leu Phe Ala	Leu		
	200		205		210
Gly Leu Ala Leu Gly	Thr Thr Ile Ala	Val Gly Met Leu Phe	Phe		
	215		220		225
Ile Gln Met Lys Ile	Ile Leu Arg Asn	Lys Thr Ser Ile Glu	Ser		
	230		235		240
Trp Ile Glu Glu Lys	Ala Lys Asp Arg	Ile Gln Tyr Tyr Gln	Leu		
	245		250		255
Asp Glu Val Phe Val	Phe Pro Tyr Asp	Met Gly Ser Arg Trp	Arg		
	260		265		270
Asn Phe Lys Gln Val	Phe Thr Trp Ser	Gly Val Pro Glu Gly	Asp		
	275		280		285
Gly Leu Glu Trp Pro	Val Arg Glu Gly	Cys His Gln Tyr Ser	Leu		
	290		295		300
Thr Ile Glu Gln Leu	Lys Gln Lys Ala	Asp Lys Arg Val Arg	Ser		
	305		310		315
Val Arg Tyr Lys Val	Ile Glu Asp Tyr	Ser Gly Ala Cys Cys	Pro		
	320		325		330
Leu Asn Lys Gly Ile	Lys Thr Phe Phe	Thr Ser Pro Cys Thr	Glu		
	335		340		345
Glu Pro Arg Ile Gln	Leu Gln Lys Gly	Glu Phe Ile Leu Ala	Thr		
	350		355		360
Arg Gly Leu Arg Tyr	Trp Leu Tyr Gly	Asp Lys Ile Leu Asp	Asp		
	365		370		375
Ser Phe Ile Glu Gly	Val Ser Arg Ile	Arg Gly Trp Phe Pro	Arg		
	380		385		390
Lys Cys Val Glu Lys	Cys Pro Cys Asp	Ala Glu Thr Asp Gln	Ala		
	395		400		405
Pro Glu Gly Glu Lys	Lys Asn Arg				
	410				

<210> 7

<211> 144

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3099990CD1

<400> 7

Met Lys Gly Lys Ala	Arg Lys Leu Phe Tyr	Lys Ala Ile Val Arg
1	5	10
Gly Glu Glu Thr Leu	Arg Val Gly Asp Cys	Ala Val Phe Leu Ser
	20	25
Ala Gly Arg Pro Asn	Leu Pro Tyr Ile Gly	Arg Ile Glu Ser Met
	35	40
Trp Glu Ser Trp Gly	Ser Asn Met Val Lys	Val Lys Trp Phe
	50	55
Tyr His Pro Glu Glu	Thr Lys Leu Gly Lys	Arg Gln Cys Asp Gly

				65					70					75
Lys	Asn	Ala	Leu	Tyr	Gln	Ser	Cys	His	Glu	Asp	Glu	Asn	Asp	Val
				80					85					90
Gln	Thr	Ile	Ser	His	Lys	Cys	Gln	Val	Val	Ala	Arg	Glu	Gln	Tyr
				95					100					105
Glu	Gln	Met	Ala	Arg	Ser	Arg	Lys	Cys	Gln	Asp	Arg	Gln	Asp	Leu
				110					115					120
Tyr	Tyr	Leu	Ala	Gly	Thr	Tyr	Asp	Pro	Thr	Thr	Gly	Arg	Leu	Val
				125					130					135
Thr	Ala	Asp	Gly	Val	Pro	Ile	Leu	Cys						
				140										

<210> 8

<211> 174

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 103561CD1

<400> 8

Met	Ala	Pro	Pro	Val	Arg	Leu	Glu	Arg	Pro	Phe	Pro	Ser	Arg	Arg
1				5					10					15
Phe	Pro	Gly	Leu	Leu	Leu	Ala	Ala	Leu	Val	Leu	Leu	Leu	Ser	Ser
				20					25					30
Phe	Ser	Asp	Gln	Cys	Asn	Val	Pro	Glu	Trp	Leu	Pro	Phe	Ala	Arg
				35					40					45
Pro	Thr	Asn	Leu	Thr	Asp	Asp	Phe	Glu	Phe	Pro	Ile	Gly	Thr	Tyr
				50					55					60
Leu	Asn	Tyr	Glu	Cys	Arg	Pro	Gly	Tyr	Ser	Gly	Arg	Pro	Phe	Ser
				65					70					75
Ile	Ile	Cys	Leu	Lys	Asn	Ser	Val	Trp	Thr	Ser	Ala	Lys	Asp	Lys
				80					85					90
Cys	Lys	Arg	Lys	Ser	Cys	Arg	Asn	Pro	Pro	Asp	Pro	Val	Asn	Gly
				95					100					105
Met	Ala	His	Val	Ile	Lys	Asp	Ile	Gln	Phe	Gly	Ser	Gln	Ile	Lys
				110					115					120
Tyr	Ser	Cys	Pro	Lys	Gly	Tyr	Arg	Leu	Ile	Gly	Ser	Ser	Ser	Ala
				125					130					135
Thr	Cys	Ile	Ile	Ser	Gly	Asn	Thr	Val	Ile	Trp	Asp	Asn	Lys	Thr
				140					145					150
Pro	Val	Cys	Asp	Ser	Glu	Leu	Lys	Tyr	Ala	Phe	Leu	Phe	Leu	Leu
				155					160					165
Pro	Ile	His	Ser	Asn	Phe	Ser	Leu	Glu						
				170										

<210> 9

<211> 449

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 288709CD1

<400> 9

Met	Gln	Leu	Asp	Trp	Asn	Gln	Ala	Gln	Lys	Ser	Gly	Asp	Pro	Gly
1				5					10					15
Pro	Ser	Val	Val	Gly	Leu	Val	Ser	Ile	Pro	Gly	Met	Gly	Lys	Leu
				20					25					30
Leu	Ala	Glu	Ala	Pro	Leu	Val	Leu	Glu	Pro	Glu	Lys	Gln	Met	Leu
				35					40					45
Leu	His	Glu	Thr	His	Gln	Gly	Leu	Leu	Gln	Asp	Gly	Ser	Pro	Ile
				50					55					60
Leu	Leu	Ser	Asp	Val	Ile	Ser	Ala	Phe	Leu	Ser	Asn	Asn	Asp	Thr

Gln Asn Leu Ser	65	Ser Pro Val Thr Phe	70	Phe Ser His Arg	75
	80		85		90
Val Ile Pro Arg	95	Gln Lys Val Leu Cys	100	Val Phe Trp Glu His	105
	110		115		120
Gln Asn Gly Cys	125	Gly His Trp Ala Thr	130	Thr Gly Cys Ser Thr	135
	140		145		150
Gly Thr Arg Asp	155	Thr Ser Thr Ile Cys	160	Arg Cys Thr His Leu	165
	170		175		180
Ser Phe Ala Val	185	Leu Met Ala His Tyr	190	Asp Val Gln Glu Glu	195
	200		205		210
Pro Val Leu Thr	215	Val Ile Thr Tyr Met	220	Gly Leu Ser Val Ser	225
	230		235		240
Leu Cys Leu Leu	245	Leu Ala Ala Leu Thr	250	Phe Leu Leu Cys Lys	255
	260		265		270
Ile Gln Asn Thr	275	Ser Thr Ser Leu His	280	Leu Gln Leu Ser Leu	285
	290		295		300
Leu Phe Leu Ala	305	His Leu Leu Phe Leu	310	Val Gly Ile Asp Arg	315
	320		325		330
Glu Pro Lys Val	335	Leu Cys Ser Ile Ile	340	Ala Gly Ala Leu His	345
	350		355		360
Leu Tyr Leu Ala	365	Ala Phe Thr Trp Met	370	Leu Leu Glu Gly Val	375
	380		385		390
Leu Phe Leu Thr	395	Ala Arg Asn Leu Thr	400	Val Val Asn Tyr Ser	405
	410		415		420
Ile Asn Arg Leu	425	Met Lys Trp Ile Met	430	Phe Pro Val Gly Tyr	435
	440		445		
Val Pro Ala Val		Thr Val Ala Ile Ser		Ala Ala Ser Trp Pro	
Leu Tyr Gly Thr		Ala Asp Arg Cys Trp		Leu His Leu Asp Gln	
Phe Met Trp Ser		Phe Leu Gly Pro Val		Cys Ala Ile Phe Ser	
Asn Leu Val Leu		Phe Ile Leu Val Phe		Trp Ile Leu Lys Arg	
Leu Ser Ser Leu		Asn Ser Glu Val Ser		Thr Ile Gln Asn Thr	
Met Leu Ala Phe		Lys Ala Thr Ala Gln		Leu Phe Ile Leu Gly	
Thr Trp Cys Leu		Gly Leu Leu Gln Val		Gly Pro Ala Ala Gln	
Met Ala Tyr Leu		Phe Thr Ile Ile Asn		Ser Leu Gln Gly Phe	
Ile Phe Leu Val		Tyr Cys Leu Leu Ser		Gln Gln Val Gln Lys	
Tyr Gln Lys Trp		Phe Arg Glu Ile Val		Lys Ser Lys Ser Glu	
Glu Thr Tyr Thr		Leu Ser Ser Lys Met		Gly Pro Asp Ser Lys	
Ser Glu Gly Asp		Val Phe Pro Gly Gln		Val Lys Arg Lys Tyr	

<210> 10

<211> 126

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 959893CD1

<400> 10

Met Glu Ser Phe	Leu Gly Gly Val	Leu Leu Ile Leu	Trp Leu Gln
1	5	10	15
Val Asp Trp Val	Lys Ser Gln Lys	Ile Glu Gln Asn	Ser Glu Ala

				20					25					30
Leu	Asn	Ile	Gln	Glu	Gly	Lys	Thr	Ala	Thr	Leu	Thr	Cys	Asn	Tyr
				35					40					45
Thr	Asn	Tyr	Ser	Pro	Ala	Tyr	Leu	Gln	Trp	Tyr	Arg	Gln	Asp	Pro
				50					55					60
Gly	Arg	Gly	Pro	Val	Phe	Leu	Leu	Leu	Ile	Arg	Glu	Asn	Glu	Lys
				65					70					75
Glu	Lys	Arg	Lys	Glu	Arg	Leu	Lys	Val	Thr	Phe	Asp	Thr	Thr	Leu
				80					85					90
Lys	Gln	Ser	Leu	Phe	His	Ile	Thr	Ala	Ser	Gln	Pro	Ala	Asp	Ser
				95					100					105
Ala	Asn	Tyr	Leu	Cys	Ala	Leu	Gly	Gly	Arg	Gly	Thr	Asn	Ser	Pro
				110					115					120
Leu	Gly	Gln	Ala	Leu	Ser									
				125										

<210> 11

<211> 273

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1414179CD1

<400> 11

Met	Gly	Arg	Ser	Arg	Ser	Arg	Ser	Ser	Ser	Arg	Ser	Lys	His	Thr
1				5					10					15
Lys	Ser	Ser	Lys	His	Asn	Lys	Lys	Arg	Ser	Arg	Ser	Arg	Ser	Arg
				20					25					30
Ser	Arg	Asp	Lys	Glu	Arg	Val	Arg	Lys	Arg	Ser	Lys	Ser	Arg	Glu
				35					40					45
Ser	Lys	Arg	Asn	Arg	Arg	Arg	Glu	Ser	Arg	Ser	Arg	Ser	Arg	Ser
				50					55					60
Thr	Asn	Thr	Ala	Val	Ser	Arg	Arg	Glu	Arg	Asp	Arg	Glu	Arg	Ala
				65					70					75
Ser	Ser	Pro	Pro	Asp	Arg	Ile	Asp	Ile	Phe	Gly	Arg	Thr	Val	Ser
				80					85					90
Lys	Arg	Ser	Ser	Leu	Asp	Glu	Lys	Gln	Lys	Arg	Glu	Glu	Glu	Glu
				95					100					105
Lys	Lys	Ala	Glu	Phe	Glu	Arg	Gln	Arg	Lys	Ile	Arg	Gln	Gln	Glu
				110					115					120
Ile	Glu	Glu	Lys	Leu	Ile	Glu	Glu	Glu	Thr	Ala	Arg	Arg	Val	Glu
				125					130					135
Glu	Leu	Val	Ala	Lys	Arg	Val	Glu	Glu	Glu	Leu	Glu	Lys	Arg	Lys
				140					145					150
Asp	Glu	Ile	Glu	Arg	Glu	Val	Leu	Arg	Arg	Val	Glu	Glu	Ala	Lys
				155					160					165
Arg	Ile	Met	Glu	Lys	Gln	Leu	Leu	Glu	Glu	Leu	Glu	Arg	Gln	Arg
				170					175					180
Gln	Ala	Glu	Leu	Ala	Ala	Gln	Lys	Ala	Arg	Glu	Glu	Glu	Glu	Arg
				185					190					195
Ala	Lys	Arg	Glu	Glu	Leu	Glu	Arg	Ile	Leu	Glu	Glu	Asn	Asn	Arg
				200					205					210
Lys	Ile	Ala	Glu	Ala	Gln	Ala	Lys	Leu	Ala	Glu	Glu	Gln	Leu	Arg
				215					220					225
Ile	Val	Glu	Glu	Gln	Arg	Lys	Ile	His	Glu	Glu	Arg	Met	Lys	Leu
				230					235					240
Glu	Gln	Glu	Arg	Gln	Arg	Gln	Gln	Lys	Glu	Glu	Gln	Lys	Ile	Ile
				245					250					255
Leu	Gly	Lys	Gly	Lys	Ser	Arg	Pro	Lys	Leu	Ser	Phe	Ser	Leu	Lys
				260					265					270
Thr	Gln	Asp												

<210> 12

<211> 140
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2197211CD1

<400> 12
 Met Glu Lys Met Leu Glu Cys Ala Phe Ile Val Leu Trp Leu Gln
 1 5 10 15
 Leu Gly Trp Leu Ser Gly Glu Asp Gln Val Thr Gln Ser Pro Glu
 20 25 30
 Ala Leu Arg Leu Gln Glu Gly Glu Ser Ser Ser Leu Asn Cys Ser
 35 40 45
 Tyr Thr Val Ser Gly Leu Arg Gly Leu Phe Trp Tyr Arg Gln Asp
 50 55 60
 Pro Gly Lys Gly Pro Glu Phe Leu Phe Thr Leu Tyr Ser Ala Gly
 65 70 75
 Glu Glu Lys Glu Lys Glu Arg Leu Lys Ala Thr Leu Thr Lys Lys
 80 85 90
 Glu Ser Phe Leu His Ile Thr Ala Pro Lys Pro Glu Asp Ser Ala
 95 100 105
 Ser Tyr Leu Cys Ala Val Gln Gly Gly Ile Gly Asn Val Leu His
 110 115 120
 Cys Gly Ser Gly Thr Gln Val Val Val Leu Pro His Ile Arg Asp
 125 130 135
 Pro Gly Pro Ala Val
 140

<210> 13
 <211> 479
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2263653CD1

<400> 13
 Met Ala Val Leu Gly Val Gln Leu Val Val Thr Leu Leu Thr Ala
 1 5 10 15
 Thr Leu Met His Arg Leu Ala Pro His Cys Ser Phe Ala Arg Trp
 20 25 30
 Leu Leu Cys Asn Gly Ser Leu Phe Arg Tyr Lys His Pro Ser Glu
 35 40 45
 Glu Glu Leu Arg Ala Leu Ala Gly Lys Pro Arg Pro Arg Gly Arg
 50 55 60
 Lys Glu Arg Trp Ala Asn Gly Leu Ser Glu Glu Lys Pro Leu Ser
 65 70 75
 Val Pro Arg Asp Ala Pro Phe Gln Leu Glu Thr Cys Pro Leu Thr
 80 85 90
 Thr Val Asp Ala Leu Val Leu Arg Phe Phe Leu Glu Tyr Gln Trp
 95 100 105
 Phe Val Asp Phe Ala Val Tyr Ser Gly Gly Val Tyr Leu Phe Thr
 110 115 120
 Glu Ala Tyr Tyr Tyr Met Leu Gly Pro Ala Lys Glu Thr Asn Ile
 125 130 135
 Ala Val Phe Trp Cys Leu Leu Thr Val Thr Phe Ser Ile Lys Met
 140 145 150
 Phe Leu Thr Val Thr Arg Leu Tyr Phe Ser Ala Glu Glu Gly Gly
 155 160 165
 Glu Arg Ser Val Cys Leu Thr Phe Ala Phe Leu Phe Leu Leu Leu
 170 175 180
 Ala Met Leu Val Gln Val Val Arg Glu Glu Thr Leu Glu Leu Gly

Leu Glu Pro Gly	185	Leu Ala Ser Met Thr	190	Gln Asn Leu Glu Pro	195
	200		205		210
Leu Lys Lys Gln	215	Gly Trp Asp Trp Ala	220	Leu Pro Val Ala Lys	225
	230		235		240
Ala Ile Arg Val	245	Gly Leu Ala Val Val	250	Gly Ser Val Leu Gly	255
	260		265		270
Phe Leu Thr Phe	275	Pro Gly Leu Arg Leu	280	Ala Gln Thr His Arg	285
	290		295		300
Ala Leu Thr Met	305	Ser Glu Asp Arg Pro	310	Met Leu Gln Phe Leu	315
	320		325		330
His Thr Ser Phe	335	Leu Ser Pro Leu Phe	340	Ile Leu Trp Leu Trp	345
	350		355		360
Lys Pro Ile Ala	365	Arg Asp Phe Leu His	370	Gln Pro Pro Phe Gly	375
	380		385		390
Thr Arg Phe Ser	395	Leu Leu Ser Asp Ser	400	Ala Phe Asp Ser Gly	405
	410		415		420
Leu Trp Leu Leu	425	Val Val Leu Cys Leu	430	Leu Arg Leu Ala Val	435
	440		445		450
Arg Pro His Leu	455	Gln Ala Tyr Leu Cys	460	Leu Ala Lys Ala Arg	465
	470		475		
Glu Gln Leu Arg		Arg Glu Ala Gly Arg		Ile Glu Ala Arg Glu	
Gln Gln Arg Val		Val Arg Val Tyr Cys		Tyr Val Thr Val Val	
Leu Gln Tyr Leu		Thr Pro Leu Ile Leu		Thr Leu Asn Cys Thr	
Leu Leu Lys Thr		Leu Gly Gly Tyr Ser		Trp Gly Leu Gly Pro	
Pro Leu Leu Ser		Pro Asp Pro Ser Ser		Ala Ser Ala Ala Pro	
Gly Ser Gly Glu		Asp Glu Val Gln Gln		Thr Ala Ala Arg Ile	
Gly Ala Leu Gly		Gly Leu Leu Thr Pro		Leu Phe Leu Arg Gly	
Leu Ala Tyr Leu		Ile Trp Trp Thr Ala		Ala Cys Gln Leu Leu	
Ser Leu Phe Gly		Leu Tyr Phe His Gln		His Leu Ala Gly Ser	

<210> 14

<211> 99

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2504590CD1

<400> 14

Met Pro Arg Leu Lys	5	Asp Pro Phe Phe Cys	10	Tyr Gln Met Glu Ser	15
1	5		10		15
His Cys Val Pro Arg	20	Leu Glu Cys Ser Gly	25	Ala Ile Ser Thr His	30
	20		25		30
Cys Lys Leu Cys Leu	35	Pro Gly Ser Arg His	40	Ser Pro Ala Ser Gly	45
	35		40		45
Ser Arg Val Ala Gly	50	Thr Thr Gly Ala Arg	55	His His Ser Trp Leu	60
	50		55		60
Ile Leu Phe Val Phe	65	Ser Val Glu Thr Gly	70	Tyr His His Val Ser	75
	65		70		75
Gln Asp Gly Leu Asp	80	Leu Pro Asp Leu Val	85	Ile Arg Pro Pro Gln	90
	80		85		90
Ser Pro Lys Val Leu	95	Gly Leu Gln Ala			
	95				

<210> 15

<211> 349
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2529619CD1

<400> 15
Met Ser Ser Glu Met Val Lys Asn Gln Thr Met Val Thr Glu Phe
1 5 10 15
Leu Leu Leu Gly Phe Leu Leu Gly Pro Arg Ile Gln Met Leu Leu
20 25 30
Phe Gly Leu Phe Ser Leu Phe Tyr Val Phe Thr Leu Leu Gly Asn
35 40 45
Gly Thr Ile Leu Gly Leu Ile Ser Leu Asp Ser Arg Leu His Thr
50 55 60
Pro Met Tyr Phe Phe Leu Ser His Leu Ala Val Val Asn Ile Ala
65 70 75
Tyr Ala Cys Asn Thr Val Pro Gln Met Leu Val Asn Leu Leu His
80 85 90
Pro Ala Lys Pro Ile Ser Phe Ala Gly Cys Met Thr Thr Thr Phe
95 100 105
Leu Phe Leu Ser Phe Ala His Thr Glu Cys Leu Leu Leu Val Leu
110 115 120
Met Ser Tyr Asp Arg Tyr Val Ala Ile Cys His Pro Leu Arg Tyr
125 130 135
Phe Ile Ile Met Thr Trp Lys Val Cys Ile Thr Leu Ala Ile Thr
140 145 150
Ser Trp Thr Cys Gly Ser Leu Leu Ala Met Val His Val Ser Leu
155 160 165
Ile Leu Arg Leu Pro Phe Cys Gly Pro Arg Glu Ile Asn His Phe
170 175 180
Phe Cys Glu Ile Leu Ser Val Leu Arg Leu Ala Cys Ala Asp Thr
185 190 195
Trp Leu Asn Gln Val Val Ile Phe Ala Ala Cys Met Phe Ile Leu
200 205 210
Val Gly Pro Leu Cys Leu Val Leu Val Ser Tyr Ser His Ile Leu
215 220 225
Ala Ala Ile Leu Arg Ile Gln Ser Gly Glu Gly Arg Arg Lys Ala
230 235 240
Phe Ser Thr Cys Ser Ser His Leu Cys Val Val Gly Leu Phe Phe
245 250 255
Gly Ser Ala Ile Val Met Tyr Met Ala Pro Lys Ser Arg His Pro
260 265 270
Glu Glu Gln Gln Lys Val Leu Phe Leu Phe Tyr Ser Ser Phe Asn
275 280 285
Pro Met Leu Asn Pro Leu Ile Tyr Asn Leu Arg Asn Val Glu Val
290 295 300
Arg Cys Pro Glu Glu Ser Thr Val Gln Glu Lys Ser Phe Leu Arg
305 310 315
Gly Val Thr Phe Glu Leu Pro Ala Ser Val Val Thr Trp Thr Leu
320 325 330
Asp Ala Gln Leu Leu Pro Gln Ser Arg Lys Val Tyr Phe Ser Leu
335 340 345
Ser Val Leu Tyr

<210> 16
<211> 373
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature

<223> Incyte ID No: 5467661CD1

<400> 16

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Met Asp Thr Leu Glu Glu Val Thr Trp Ala Asn Gly Ser Thr Ala
 1      5      10      15
Leu Pro Pro Pro Leu Ala Pro Asn Ile Ser Val Pro His Arg Cys
 20      25      30
Leu Leu Leu Leu Tyr Glu Asp Ile Gly Thr Ser Arg Val Arg Tyr
 35      40      45
Trp Asp Leu Leu Leu Ile Pro Asn Val Leu Phe Leu Ile Phe
 50      55      60
Leu Leu Trp Lys Leu Pro Ser Ala Arg Ala Lys Ile Arg Ile Thr
 65      70      75
Ser Ser Pro Ile Phe Ile Thr Phe Tyr Ile Leu Val Phe Val Val
 80      85      90
Ala Leu Val Gly Ile Ala Arg Ala Val Val Ser Met Thr Val Ser
 95      100     105
Thr Ser Asn Ala Ala Thr Val Ala Asp Lys Ile Leu Trp Glu Ile
110     115     120
Thr Arg Phe Phe Leu Leu Ala Ile Glu Leu Ser Val Ile Ile Leu
125     130     135
Gly Leu Ala Phe Gly His Leu Glu Ser Lys Ser Ser Ile Lys Arg
140     145     150
Val Leu Ala Ile Thr Thr Val Leu Ser Leu Ala Tyr Ser Val Thr
155     160     165
Gln Gly Thr Leu Glu Ile Leu Tyr Pro Asp Ala His Leu Ser Ala
170     175     180
Glu Asp Phe Asn Ile Tyr Gly His Gly Gly Arg Gln Phe Trp Leu
185     190     195
Val Ser Ser Cys Phe Phe Phe Leu Val Tyr Ser Leu Val Val Ile
200     205     210
Leu Pro Lys Thr Pro Leu Lys Glu Arg Ile Ser Leu Pro Ser Arg
215     220     225
Arg Ser Phe Tyr Val Tyr Ala Gly Ile Leu Ala Leu Leu Asn Leu
230     235     240
Leu Gln Gly Leu Gly Ser Val Leu Leu Cys Phe Asp Ile Ile Glu
245     250     255
Gly Leu Cys Cys Val Asp Ala Thr Thr Phe Leu Tyr Phe Ser Phe
260     265     270
Phe Ala Pro Leu Ile Tyr Val Ala Phe Leu Arg Gly Phe Phe Gly
275     280     285
Ser Glu Pro Lys Ile Leu Phe Ser Tyr Lys Cys Gln Val Asp Glu
290     295     300
Thr Glu Glu Pro Asp Val His Leu Pro Gln Pro Tyr Ala Val Ala
305     310     315
Arg Arg Glu Gly Leu Glu Ala Ala Gly Ala Ala Gly Ala Ser Ala
320     325     330
Ala Ser Tyr Ser Ser Thr Gln Phe Asp Ser Ala Gly Gly Val Ala
335     340     345
Tyr Leu Asp Asp Ile Ala Ser Met Pro Cys His Thr Gly Ser Ile
350     355     360
Asn Ser Thr Asp Ser Glu Arg Trp Lys Ala Ile Asn Ala
365     370

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<210> 17

<211> 353

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 229740CD1

<400> 17

Met Leu Lys Met Met Glu Val Tyr Lys Glu Pro Arg Glu Gln Pro

1 5 10 15
 Ile Phe Thr Thr Arg Ala His Val Phe Gln Ile Asp Pro Asn Thr
 20 25 30
 Lys Lys Asn Trp Met Pro Ala Ser Lys Gln Ala Val Thr Val Ser
 35 40 45
 Tyr Phe Tyr Asp Val Thr Arg Asn Ser Tyr Arg Ile Ile Ser Val
 50 55 60
 Asp Gly Ala Lys Val Ile Ile Asn Ser Thr Ile Thr Pro Asn Met
 65 70 75
 Thr Phe Thr Asn Thr Ser Gln Thr Ser Gly Gln Trp Ala Asp Ser
 80 85 90
 Arg Ala Asn Thr Val Phe Gly Leu Gly Phe Ser Ser Glu Gln Gln
 95 100 105
 Leu Thr Lys Phe Ala Glu Lys Phe Gln Glu Val Lys Glu Ala Ala
 110 115 120
 Lys Ile Ala Lys Asp Lys Thr Gln Glu Lys Ile Glu Thr Ser Ser
 125 130 135
 Asn His Ser Gln Ala Ser Ser Val Asn Gly Thr Asp Asp Glu Lys
 140 145 150
 Ala Ser His Ala Gly Pro Ala Asn Thr His Leu Lys Ser Glu Asn
 155 160 165
 Asp Lys Leu Lys Ile Ala Leu Thr Gln Ser Ala Ala Asn Val Lys
 170 175 180
 Lys Trp Glu Ile Glu Leu Gln Thr Leu Arg Glu Ser Asn Ala Arg
 185 190 195
 Leu Thr Thr Ala Leu Gln Glu Ser Ala Ala Ser Val Glu Gln Trp
 200 205 210
 Lys Arg Gln Phe Ser Ile Cys His Asp Glu Asn Asp Gln Leu Arg
 215 220 225
 Asn Lys Ile Asp Glu Leu Glu Glu Gln Cys Ser Glu Ile Asn Arg
 230 235 240
 Glu Lys Glu Lys Asn Thr Gln Leu Lys Arg Arg Ile Glu Glu Leu
 245 250 255
 Glu Ala Glu Leu Arg Glu Lys Glu Thr Glu Leu Lys Asp Leu Arg
 260 265 270
 Lys Gln Ser Glu Ile Ile Pro Gln Leu Met Ser Glu Cys Glu Tyr
 275 280 285
 Val Ser Glu Lys Leu Glu Ala Ala Glu Arg Asp Asn Gln Asn Leu
 290 295 300
 Glu Asp Lys Val Arg Ser Leu Lys Thr Asp Ile Glu Glu Ser Lys
 305 310 315
 Tyr Arg Gln Arg His Leu Lys Val Glu Leu Lys Ser Phe Leu Glu
 320 325 330
 Val Leu Asp Gly Lys Ile Asp Asp Leu His Asp Phe Arg Arg Gly
 335 340 345
 Leu Ser Lys Leu Gly Thr Asp Asn
 350

<210> 18

<211> 441

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1317467CD1

<400> 18

Met Leu Leu Pro Gly Arg Ala Arg Gln Pro Pro Thr Pro Gln Pro
 1 5 10 15
 Val Gln His Pro Gly Leu Arg Arg Gln Val Glu Pro Pro Gly Gln
 20 25 30
 Leu Leu Arg Leu Phe Tyr Cys Thr Val Leu Val Cys Ser Lys Glu
 35 40 45
 Ile Ser Ala Leu Thr Asp Phe Ser Gly Tyr Leu Thr Lys Leu Leu

	50		55		60
Gln Asn His Thr	Thr Tyr Ala Cys Asp Gly Asp Tyr Leu Asn Leu				
	65		70		75
Gln Cys Pro Arg His	Ser Thr Ile Ser Val Gln Ser Ala Phe Tyr				
	80		85		90
Gly Gln Asp Tyr Gln	Met Cys Ser Ser Gln Lys Pro Ala Ser Gln				
	95		100		105
Arg Glu Asp Ser Leu	Thr Cys Val Ala Ala Thr Thr Phe Gln Lys				
	110		115		120
Val Leu Asp Glu Cys	Gln Asn Gln Arg Ala Cys His Leu Leu Val				
	125		130		135
Asn Ser Arg Val Phe	Gly Pro Asp Leu Cys Pro Gly Ser Ser Lys				
	140		145		150
Tyr Leu Leu Val Ser	Phe Lys Cys Gln Pro Asn Glu Leu Lys Asn				
	155		160		165
Lys Thr Val Cys Glu	Asp Gln Glu Leu Lys Leu His Cys His Glu				
	170		175		180
Ser Lys Phe Leu Asn	Ile Tyr Ser Ala Thr Tyr Gly Arg Arg Thr				
	185		190		195
Gln Glu Arg Asp Ile	Cys Ser Ser Lys Ala Glu Arg Leu Pro Pro				
	200		205		210
Phe Asp Cys Leu Ser	Tyr Ser Ala Leu Gln Val Leu Ser Arg Arg				
	215		220		225
Cys Tyr Gly Lys Gln	Arg Cys Lys Ile Ile Val Asn Asn His His				
	230		235		240
Phe Gly Ser Pro Cys	Leu Pro Gly Val Lys Lys Tyr Leu Thr Val				
	245		250		255
Thr Tyr Ala Cys Val	Pro Lys Asn Ile Leu Thr Ala Ile Asp Pro				
	260		265		270
Ala Ile Ala Asn Leu	Lys Pro Ser Leu Lys Gln Lys Asp Gly Glu				
	275		280		285
Tyr Gly Ile Asn Phe	Asp Pro Ser Gly Ser Lys Val Leu Arg Lys				
	290		295		300
Asp Gly Ile Leu Val	Ser Asn Ser Leu Ala Ala Phe Ala Tyr Ile				
	305		310		315
Arg Ala His Pro Glu	Arg Ala Ala Leu Leu Phe Val Ser Ser Val				
	320		325		330
Cys Ile Gly Leu Ala	Leu Thr Leu Cys Ala Leu Val Ile Arg Glu				
	335		340		345
Ser Cys Ala Lys Asp	Phe Arg Asp Leu Gln Leu Gly Arg Glu Gln				
	350		355		360
Leu Val Pro Gly Ser	Asp Lys Val Glu Glu Asp Ser Glu Asp Glu				
	365		370		375
Glu Glu Glu Glu Asp	Pro Ser Glu Ser Asp Phe Pro Gly Glu Leu				
	380		385		390
Ser Gly Phe Cys Arg	Thr Ser Tyr Pro Ile Tyr Ser Ser Ile Glu				
	395		400		405
Ala Ala Glu Leu Ala	Glu Arg Ile Glu Arg Arg Glu Gln Ile Ile				
	410		415		420
Gln Glu Ile Trp Met	Asn Ser Gly Leu Asp Thr Ser Leu Pro Arg				
	425		430		435
Asn Met Gly Gln Phe	Tyr				
	440				

<210> 19

<211> 310

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2279267CD1

<400> 19

Met Gly Asp Asn Ile Thr Ser Ile Thr Glu Phe Leu Leu Leu Gly

1 5 10 15
 Phe Pro Val Gly Pro Arg Ile Gln Met Leu Leu Phe Gly Leu Phe
 20 25 30
 Ser Leu Phe Tyr Val Phe Thr Leu Leu Gly Asn Gly Thr Ile Leu
 35 40 45
 Gly Leu Ile Ser Leu Asp Ser Arg Leu His Ala Pro Met Tyr Phe
 50 55 60
 Phe Leu Ser His Leu Ala Val Val Asp Ile Ala Tyr Ala Cys Asn
 65 70 75
 Thr Val Pro Arg Met Leu Val Asn Leu Leu His Pro Ala Lys Pro
 80 85 90
 Ile Ser Phe Ala Gly Arg Met Met Gln Thr Phe Leu Phe Ser Thr
 95 100 105
 Phe Ala Val Thr Glu Cys Leu Leu Leu Val Val Met Ser Tyr Asp
 110 115 120
 Leu Tyr Val Ala Ile Cys His Pro Leu Arg Tyr Leu Ala Ile Met
 125 130 135
 Thr Trp Arg Val Cys Ile Thr Leu Ala Val Thr Ser Trp Thr Thr
 140 145 150
 Gly Val Leu Leu Ser Leu Ile His Leu Val Leu Leu Leu Pro Leu
 155 160 165
 Pro Phe Cys Arg Pro Gln Lys Ile Tyr His Phe Phe Cys Glu Ile
 170 175 180
 Leu Ala Val Leu Lys Leu Ala Cys Ala Asp Thr His Ile Asn Glu
 185 190 195
 Asn Met Val Leu Ala Gly Ala Ile Ser Gly Leu Val Gly Pro Leu
 200 205 210
 Ser Thr Ile Val Val Ser Tyr Met Cys Ile Leu Cys Ala Ile Leu
 215 220 225
 Gln Ile Gln Ser Arg Glu Val Gln Arg Lys Ala Phe Cys Thr Cys
 230 235 240
 Phe Ser His Leu Cys Val Ile Gly Leu Phe Tyr Gly Thr Ala Ile
 245 250 255
 Ile Met Tyr Val Gly Pro Arg Tyr Gly Asn Pro Lys Glu Gln Lys
 260 265 270
 Lys Tyr Leu Leu Leu Phe His Ser Leu Phe Asn Pro Met Leu Asn
 275 280 285
 Pro Leu Ile Cys Ser Leu Arg Asn Ser Glu Val Lys Asn Thr Leu
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 Lys Arg Val Leu Gly Val Glu Arg Ala Leu
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<210> 20

<211> 438

<212> PRT

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 2436258CD1

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 Gly Gly Gly Val His Ala Val Pro Pro Asp Pro Glu Asp Glu Gly
 35 40 45
 Leu Glu Glu Thr Glu Asp His Lys Leu Val Phe Leu Gln Gln Gly
 50 55 60
 Pro Leu Leu Leu Val Ala Met Ser Arg Thr Ser Gln Ser Ala Ala
 65 70 75
 Gln Leu Arg Gly Glu Leu Leu Ala Val His Ala Gln Ile Val Ser
 80 85 90
 Thr Leu Thr Arg Ala Ser Val Ala Arg Ile Phe Ala His Lys Gln

Asn	Tyr	Asp	Leu	Arg	Arg	Leu	Leu	Ala	Gly	Ser	Glu	Arg	Thr	Leu
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Asp	Arg	Leu	Leu	Asp	Ser	Met	Glu	Gln	Asp	Pro	Gly	Ala	Leu	Leu
125				125					130					135
Leu	Gly	Ala	Val	Arg	Cys	Val	Pro	Leu	Ala	Arg	Pro	Leu	Arg	Asp
140				140					145					150
Ala	Leu	Gly	Ala	Leu	Leu	Arg	Arg	Cys	Thr	Ala	Pro	Gly	Leu	Ala
155				155					160					165
Leu	Ser	Val	Leu	Ala	Val	Gly	Gly	Arg	Leu	Ile	Thr	Ala	Ala	Gln
170				170					175					180
Glu	Arg	Asn	Val	Leu	Ala	Glu	Cys	Arg	Leu	Asp	Pro	Ala	Asp	Leu
185				185					190					195
Gln	Leu	Leu	Leu	Asp	Trp	Val	Gly	Ala	Pro	Ala	Phe	Ala	Ala	Gly
200				200					205					210
Glu	Ala	Trp	Ala	Pro	Val	Cys	Leu	Pro	Arg	Phe	Asn	Pro	Asp	Gly
215				215					220					225
Phe	Phe	Tyr	Ala	Tyr	Val	Ala	Arg	Leu	Asp	Ala	Met	Pro	Val	Cys
230				230					235					240
Leu	Leu	Leu	Leu	Gly	Thr	Gln	Arg	Glu	Ala	Phe	His	Ala	Met	Ala
245				245					250					255
Ala	Cys	Arg	Arg	Leu	Val	Glu	Asp	Gly	Met	His	Ala	Leu	Gly	Ala
260				260					265					270
Met	Arg	Ala	Leu	Gly	Glu	Ala	Ala	Ser	Phe	Ser	Asn	Ala	Ser	Ser
275				275					280					285
Ala	Ser	Ala	Pro	Ala	Tyr	Ser	Val	Gln	Ala	Val	Gly	Ala	Pro	Gly
290				290					295					300
Leu	Arg	His	Phe	Leu	Tyr	Lys	Pro	Leu	Asp	Ile	Pro	Asp	His	His
305				305					310					315
Arg	Gln	Leu	Pro	Gln	Phe	Thr	Ser	Pro	Glu	Leu	Glu	Ala	Pro	Tyr
320				320					325					330
Ser	Arg	Glu	Glu	Glu	Arg	Gln	Arg	Leu	Ser	Asp	Leu	Tyr	His	Arg
335				335					340					345
Leu	His	Ala	Arg	Leu	His	Ser	Thr	Ser	Arg	Pro	Leu	Arg	Leu	Ile
350				350					355					360
Tyr	His	Val	Ala	Glu	Lys	Glu	Thr	Leu	Leu	Ala	Trp	Val	Thr	Ser
365				365					370					375
Lys	Phe	Glu	Leu	Tyr	Thr	Cys	Leu	Ser	Pro	Leu	Val	Thr	Lys	Ala
380				380					385					390
Gly	Ala	Ile	Leu	Val	Val	Thr	Lys	Leu	Leu	Arg	Trp	Val	Lys	Lys
395				395					400					405
Glu	Glu	Asp	Arg	Leu	Phe	Ile	Arg	Tyr	Pro	Pro	Lys	Tyr	Ser	Thr
410				410					415					420
Pro	Pro	Ala	Thr	Ser	Thr	Asp	Gln	Ala	Ala	His	Asn	Gly	Leu	Phe
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Thr Gly Leu

<210> 21

<211> 357

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2681738CD1

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Lys	Tyr	Tyr	Arg	Leu	Cys	Asp	Lys	Ala	Glu	Ala	Trp	Gly	Ile	Val
				20					25					30
Leu	Glu	Thr	Val	Ala	Thr	Ala	Gly	Val	Val	Thr	Ser	Val	Ala	Phe
				35					40					45
Met	Leu	Thr	Leu	Pro	Ile	Leu	Val	Cys	Lys	Val	Gln	Asp	Ser	Asn

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 Arg Arg Lys Met Leu Pro Thr Gln Phe Leu Phe Leu Leu Gly Val
 65 70 75
 Leu Gly Ile Phe Gly Leu Thr Phe Ala Phe Ile Ile Gly Leu Asp
 80 85 90
 Gly Ser Thr Gly Pro Thr Arg Phe Phe Leu Phe Gly Ile Leu Phe
 95 100 105
 Ser Ile Cys Phe Ser Cys Leu Leu Ala His Ala Val Ser Leu Thr
 110 115 120
 Lys Leu Val Arg Gly Arg Lys Pro Leu Ser Leu Leu Val Ile Leu
 125 130 135
 Gly Leu Ala Val Gly Phe Ser Leu Val Gln Asp Val Ile Ala Ile
 140 145 150
 Glu Tyr Ile Val Leu Thr Met Asn Arg Thr Asn Val Asn Val Phe
 155 160 165
 Ser Glu Leu Ser Ala Pro Arg Arg Asn Glu Asp Phe Val Leu Leu
 170 175 180
 Leu Thr Tyr Val Leu Phe Leu Met Ala Leu Thr Phe Leu Met Ser
 185 190 195
 Ser Phe Thr Phe Cys Gly Ser Phe Thr Gly Trp Lys Arg His Gly
 200 205 210
 Ala His Ile Tyr Leu Thr Met Leu Leu Ser Ile Ala Ile Trp Val
 215 220 225
 Ala Trp Ile Thr Leu Leu Met Leu Pro Asp Phe Asp Arg Arg Trp
 230 235 240
 Asp Asp Thr Ile Leu Ser Ser Ala Leu Ala Ala Asn Gly Trp Val
 245 250 255
 Phe Leu Leu Ala Tyr Val Ser Pro Glu Phe Trp Leu Leu Thr Lys
 260 265 270
 Gln Arg Asn Pro Met Asp Tyr Pro Val Glu Asp Ala Phe Cys Lys
 275 280 285
 Pro Gln Leu Val Lys Lys Ser Tyr Gly Val Glu Asn Arg Ala Tyr
 290 295 300
 Ser Gln Glu Glu Ile Thr Gln Gly Phe Glu Glu Thr Gly Asp Thr
 305 310 315
 Leu Tyr Ala Pro Tyr Ser Thr His Phe Gln Leu Gln Asn Gln Pro
 320 325 330
 Pro Gln Lys Glu Phe Ser Ile Pro Arg Ala His Ala Trp Pro Ser
 335 340 345
 Pro Tyr Lys Asp Tyr Glu Val Lys Lys Glu Gly Ser
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<210> 22

<211> 1069

<212> PRT

<213> Homo sapiens

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<223> Incyte ID No: 2859482CD1

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 Gln Gly Asp Glu Thr Pro Ser Thr Asn Asn Gly Ser Asp Asp Glu
 35 40 45
 Lys Thr Gly Leu Lys Ile Val Gly Asn Gly Ser Glu Gln Gln Leu
 50 55 60
 Gln Lys Glu Leu Ala Asp Val Leu Met Asp Pro Pro Met Asp Asp
 65 70 75
 Gln Pro Gly Glu Lys Glu Leu Val Lys Arg Ser Gln Leu Asp Gly
 80 85 90
 Glu Gly Asp Gly Pro Leu Ser Asn Gln Leu Ser Ala Ser Ser Thr

Ile	Asn	Pro	Val	95	Leu	Val	Gly	Leu	100	Gln	Lys	Pro	Glu	Met	Ser	105
				110					115							120
Leu	Pro	Val	Lys	125	Pro	Gly	Gln	Gly	130	Ser	Glu	Ala	Ser	Ser	Pro	135
Phe	Thr	Pro	Val	140	Ala	Asp	Glu	Asp	145	Ser	Val	Val	Phe	Ser	Lys	150
Thr	Tyr	Leu	Gly	155	Cys	Ala	Ser	Val	160	Asn	Ala	Pro	Arg	Ser	Glu	165
Glu	Ala	Leu	Arg	170	Met	Met	Ser	Ile	175	Leu	Arg	Ser	Gln	Cys	Gln	180
Ser	Leu	Asp	Val	185	Thr	Leu	Ser	Val	190	Pro	Asn	Val	Ser	Glu	Gly	195
Val	Arg	Leu	Leu	200	Asp	Pro	Gln	Thr	205	Asn	Thr	Glu	Ile	Ala	Asn	210
Pro	Ile	Tyr	Lys	215	Ile	Leu	Phe	Cys	220	Val	Arg	Gly	His	Asp	Gly	225
Pro	Glu	Ser	Asp	230	Cys	Phe	Ala	Phe	235	Thr	Glu	Ser	His	Tyr	Asn	240
Glu	Leu	Phe	Arg	245	Ile	His	Val	Phe	250	Arg	Cys	Glu	Ile	Gln	Glu	255
Val	Ser	Arg	Ile	260	Leu	Tyr	Ser	Phe	265	Ala	Thr	Ala	Phe	Arg	Arg	270
Ala	Lys	Gln	Thr	275	Pro	Leu	Ser	Ala	280	Thr	Ala	Ala	Pro	Gln	Thr	285
Asp	Ser	Asp	Ile	290	Phe	Thr	Phe	Ser	295	Val	Ser	Leu	Glu	Ile	Lys	300
Asp	Asp	Gly	Lys	305	Gly	Tyr	Phe	Ser	310	Ala	Val	Pro	Lys	Asp	Lys	315
Arg	Gln	Cys	Phe	320	Lys	Leu	Arg	Gln	325	Gly	Ile	Asp	Lys	Lys	Ile	330
Ile	Tyr	Val	Gln	335	Gln	Thr	Thr	Asn	340	Lys	Glu	Leu	Ala	Ile	Glu	345
Cys	Phe	Gly	Leu	350	Leu	Leu	Ser	Pro	355	Gly	Lys	Asp	Val	Arg	Asn	360
Asp	Met	His	Leu	365	Leu	Asp	Leu	Glu	370	Ser	Met	Gly	Lys	Ser	Ser	375
Gly	Lys	Ser	Tyr	380	Val	Ile	Thr	Gly	385	Ser	Trp	Asn	Pro	Lys	Ser	390
His	Phe	Gln	Val	395	Val	Asn	Glu	Glu	400	Thr	Pro	Lys	Asp	Lys	Val	405
Phe	Met	Thr	Thr	410	Ala	Val	Asp	Leu	415	Val	Ile	Thr	Glu	Val	Gln	420
Pro	Val	Arg	Phe	425	Leu	Leu	Glu	Thr	430	Lys	Val	Arg	Val	Cys	Ser	435
Asn	Glu	Arg	Leu	440	Phe	Trp	Pro	Phe	445	Ser	Lys	Arg	Ser	Thr	Thr	450
Asn	Phe	Phe	Leu	455	Lys	Leu	Lys	Gln	460	Ile	Lys	Gln	Arg	Glu	Arg	465
Asn	Asn	Thr	Asp	470	Thr	Leu	Tyr	Glu	475	Val	Val	Cys	Leu	Glu	Ser	480
Ser	Glu	Arg	Glu	485	Arg	Arg	Lys	Thr	490	Thr	Ala	Ser	Pro	Ser	Val	495
Leu	Pro	Gln	Ser	500	Gly	Ser	Gln	Ser	505	Ser	Val	Ile	Pro	Ser	Pro	510
Glu	Asp	Asp	Glu	515	Glu	Glu	Asp	Asn	520	Asp	Glu	Pro	Leu	Leu	Ser	525
Ser	Gly	Asp	Val	530	Ser	Lys	Glu	Cys	535	Ala	Glu	Lys	Ile	Leu	Glu	540
Trp	Gly	Glu	Leu	545	Leu	Ser	Lys	Trp	550	His	Leu	Asn	Leu	Asn	Val	555
Pro	Lys	Gln	Leu	560	Ser	Ser	Leu	Val	565	Arg	Asn	Gly	Val	Pro	Glu	570
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Asp	His	Leu	Val	575	Glu	Lys	Tyr	Arg	Ile	580	Leu	Ile	Thr	Lys	Glu	585	Ser
Pro	Gln	Asp	Ser	590	Ala	Ile	Thr	Arg	Asp	595	Ile	Asn	Arg	Thr	Phe	600	Pro
Ala	His	Asp	Tyr	605	Phe	Lys	Asp	Thr	Gly	610	Gly	Asp	Gly	Gln	Asp	615	Ser
Leu	Tyr	Lys	Ile	620	Cys	Lys	Ala	Tyr	Ser	625	Val	Tyr	Asp	Glu	Glu	630	Ile
Gly	Tyr	Cys	Gln	635	Gly	Gln	Ser	Phe	Leu	640	Ala	Ala	Val	Leu	Leu	645	Leu
His	Met	Pro	Glu	650	Glu	Gln	Ala	Phe	Ser	655	Val	Leu	Val	Lys	Ile	660	Met
Phe	Asp	Tyr	Gly	665	Leu	Arg	Glu	Leu	Phe	670	Gln	Asn	Phe	Glu	Asp	675	Asp
Leu	His	Cys	Lys	680	Phe	Tyr	Gln	Leu	Glu	685	Arg	Leu	Met	Gln	Glu	690	Tyr
Ile	Pro	Asp	Leu	695	Tyr	Asn	His	Phe	Leu	700	Asp	Ile	Ser	Leu	Glu	705	Ala
His	Met	Tyr	Ala	710	Ser	Gln	Trp	Phe	Leu	715	Thr	Leu	Phe	Thr	Ala	720	Lys
Phe	Pro	Leu	Tyr	725	Met	Val	Phe	His	Ile	730	Ile	Asp	Leu	Leu	Leu	735	Cys
Glu	Gly	Ile	Ser	740	Val	Ile	Phe	Asn	Val	745	Ala	Leu	Gly	Leu	Leu	750	Lys
Thr	Ser	Lys	Asp	755	Asp	Leu	Leu	Leu	Thr	760	Asp	Phe	Glu	Gly	Ala	765	Leu
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Asn	Ala	Lys	Lys	785	Leu	Met	Glu	Leu	Ala	790	Cys	Asn	Met	Lys	Ile	795	Ser
Gln	Lys	Lys	Leu	800	Lys	Lys	Tyr	Glu	Lys	805	Glu	Tyr	His	Thr	Met	810	Arg
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Arg	Lys	Asp	Leu	860	Asp	Asn	Ala	Glu	Glu	865	Lys	Ala	Asp	Ala	Leu	870	Asn
Lys	Glu	Leu	Leu	875	Met	Thr	Lys	Gln	Lys	880	Leu	Ile	Asp	Ala	Glu	885	Glu
Glu	Lys	Arg	Arg	890	Leu	Glu	Glu	Glu	Ser	895	Ala	Gln	Leu	Lys	Glu	900	Met
Cys	Arg	Arg	Glu	905	Leu	Asp	Lys	Ala	Glu	910	Ser	Glu	Ile	Lys	Lys	915	Asn
Ser	Ser	Ile	Ile	920	Gly	Asp	Tyr	Lys	Gln	925	Ile	Cys	Ser	Gln	Leu	930	Ser
Glu	Arg	Leu	Glu	935	Lys	Gln	Gln	Thr	Ala	940	Asn	Lys	Val	Glu	Ile	945	Glu
Lys	Ile	Arg	Gln	950	Lys	Val	Asp	Asp	Cys	955	Glu	Arg	Cys	Arg	Glu	960	Phe
Phe	Asn	Lys	Glu	965	Gly	Arg	Val	Lys	Gly	970	Ile	Ser	Ser	Thr	Lys	975	Glu
Val	Leu	Asp	Glu	980	Asp	Thr	Asp	Glu	Glu	985	Lys	Glu	Thr	Leu	Lys	990	Asn
Gln	Leu	Arg	Glu	995	Met	Glu	Leu	Glu	Leu	1000	Ala	Gln	Thr	Lys	Leu	1005	Gln
Leu	Val	Glu	Ala	1010	Glu	Cys	Lys	Ile	Gln	1015	Asp	Leu	Glu	His	His	1020	Leu
Gly	Leu	Ala	Leu	1025	Asn	Glu	Val	Gln	Ala	1030	Ala	Lys	Lys	Thr	Trp	1035	Phe
Asn	Arg	Thr	Leu	1040	Ser	Ile	Lys	Thr	Ala	1045	Thr	Gly	Val	Gln	Gly	1050	

1055
Lys Glu Thr Cys

1060

1065

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<211> 1995
<212> DNA
<213> Homo sapiens

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<223> Incyte ID No: 209171CB1

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<210> 24
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<213> Homo sapiens

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<210> 25

<211> 2067

<212> DNA

<213> Homo sapiens

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<400> 25

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<211> 2179

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: P2925789CB1

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<212> DNA

<213> Homo sapiens

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<210> 37

<211> 1792

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 2529619CB1

<400> 37

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<210> 38

<211> 1817

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 5467661CB1

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<210> 39

<211> 1820

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 229740CB1

<400> 39

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<211> 1620

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1317467CB1

<400> 40

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<210> 41

<211> 974

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2279267CB1

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<211> 1561

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 2436258CB1

<400> 42

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